

CRF Errors Edited by the STIC Systems
Branch

Serial Number: 10/509,307

CRF Edit Date: 10/6/64
Edited by: KL

___ Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

___ Corrected the SEQ ID NO. Sequence numbers edited were:

ENTERED

___ Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:

___ Deleted: ✓ invalid beginning/end-of-file text ; ___ page numbers

___ Inserted mandatory headings/numeric identifiers, specifically:

___ Moved responses to same line as heading/numeric identifier, specifically:

___ Other:



PCT

RAW SEQUENCE LISTING

DATE: 10/06/2004

PATENT APPLICATION: US/10/509,307

TIME: 14:35:59

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10062004\J509307.raw

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3 <110> APPLICANT: DOI, Hirofumi
4     WADA, Naoya
5     NAKAJIMA, Hiroto
7 <120> TITLE OF INVENTION: c-Jun phosphorylation inhibitor
9 <130> FILE REFERENCE: 3190-066
C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/509,307
12 <141> CURRENT FILING DATE: 2004-09-27
14 <150> PRIOR APPLICATION NUMBER: PCT/JP03/04120
15 <151> PRIOR FILING DATE: 2003-03-31
17 <150> PRIOR APPLICATION NUMBER: JP P2002-095291
18 <151> PRIOR FILING DATE: 2002-03-29
20 <150> PRIOR APPLICATION NUMBER: JP P2002-095390
21 <151> PRIOR FILING DATE: 2002-03-29
23 <150> PRIOR APPLICATION NUMBER: JP P2002-095442
24 <151> PRIOR FILING DATE: 2002-03-29
26 <150> PRIOR APPLICATION NUMBER: JP P2002-095486
27 <151> PRIOR FILING DATE: 2002-03-29
29 <160> NUMBER OF SEQ ID NOS: 90
31 <170> SOFTWARE: PatentIn version 3.1
33 <210> SEQ ID NO: 1
34 <211> LENGTH: 786
35 <212> TYPE: PRT
36 <213> ORGANISM: Homo sapiens
38 <400> SEQUENCE: 1
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41 1      5      10      15
44 Gln Ser Leu Ser Ser Val Leu Gly Ser Gly Phe Gly Glu Leu Ala Pro
45      20      25      30
48 Pro Lys Met Ala Asn Ile Thr Ser Gln Ile Leu Asp Gln Leu Lys
49      35      40      45
52 Ala Pro Ser Leu Gly Gln Phe Thr Thr Thr Pro Ser Thr Gln Gln Asn
53      50      55      60
56 Ser Thr Ser His Pro Thr Thr Thr Thr Ser Trp Asp Leu Lys Pro Pro
57 65      70      75      80
61 Thr Ser Gln Ser Ser Val Leu Ser His Leu Asp Phe Lys Ser Gln Pro
62      85      90      95
65 Glu Pro Ser Pro Val Leu Ser Gln Leu Ser Gln Arg Gln Gln His Gln
66      100     105     110
69 Ser Gln Ala Val Thr Val Pro Pro Pro Gly Leu Glu Ser Phe Pro Ser
70      115     120     125
73 Gln Ala Lys Leu Arg Glu Ser Thr Pro Gly Asp Ser Pro Ser Thr Val
74      130     135     140
77 Asn Lys Leu Leu Gln Leu Pro Ser Thr Thr Ile Glu Asn Ile Ser Val

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78 145          150          155          160
81 Ser Val His Gln Pro Gln Pro Lys His Ile Lys Leu Ala Lys Arg Arg
82          165          170          175
85 Ile Pro Pro Ala Ser Lys Ile Pro Ala Ser Ala Val Glu Met Pro Gly
86          180          185          190
89 Ser Ala Asp Val Thr Gly Leu Asn Val Gln Phe Gly Ala Leu Glu Phe
90          195          200          205
93 Gly Ser Glu Pro Ser Leu Ser Glu Phe Gly Ser Ala Pro Ser Ser Glu
94          210          215          220
97 Asn Ser Asn Gln Ile Pro Ile Ser Leu Tyr Ser Lys Ser Leu Ser Glu
98 225          230          235          240
101 Pro Leu Asn Thr Ser Leu Ser Met Thr Ser Ala Val Gln Asn Ser Thr
102          245          250          255
105 Tyr Thr Thr Ser Val Ile Thr Ser Cys Ser Leu Thr Ser Ser Ser Leu
106          260          265          270
109 Asn Ser Ala Ser Pro Val Ala Met Ser Ser Ser Tyr Asp Gln Ser Ser
110          275          280          285
113 Val His Asn Arg Ile Pro Tyr Gln Ser Pro Val Ser Ser Ser Glu Ser
114          290          295          300
118 Ala Pro Gly Thr Ile Met Asn Gly His Gly Gly Gly Arg Ser Gln Gln
119 305          310          315          320
122 Thr Leu Asp Thr Pro Lys Thr Thr Gly Pro Pro Ser Ala Leu Pro Ser
123          325          330          335
126 Val Ser Ser Leu Pro Ser Thr Thr Ser Cys Thr Ala Leu Leu Pro Ser
127          340          345          350
130 Thr Ser Gln His Thr Gly Asp Leu Thr Ser Ser Pro Leu Ser Gln Leu
131          355          360          365
134 Ser Ser Ser Leu Ser Ser His Gln Ser Ser Leu Ser Ala His Ala Ala
135          370          375          380
138 Leu Ser Ser Ser Thr Ser His Thr His Ala Ser Val Glu Ser Ala Ser
139 385          390          395          400
142 Ser His Gln Ser Ser Ala Thr Phe Ser Thr Ala Ala Thr Ser Val Ser
143          405          410          415
146 Ser Ser Ala Ser Ser Gly Val Ser Leu Ser Ser Ser Met Asn Thr Ala
147          420          425          430
150 Asn Ser Leu Cys Leu Gly Gly Thr Pro Ala Ser Ala Ser Ser Ser Ser
151          435          440          445
154 Ser Arg Ala Ala Pro Leu Val Thr Ser Gly Lys Ala Pro Pro Asn Leu
155          450          455          460
158 Pro Gln Gly Val Pro Pro Leu Leu His Asn Gln Tyr Leu Val Gly Pro
159 465          470          475          480
162 Gly Gly Leu Leu Pro Ala Tyr Pro Ile Tyr Gly Tyr Asp Glu Leu Gln
163          485          490          495
166 Met Leu Gln Ser Arg Leu Pro Val Asp Tyr Tyr Gly Ile Pro Phe Ala
167          500          505          510
170 Ala Pro Thr Ala Leu Ala Ser Arg Asp Arg Ser Leu Ala Asn Asn Pro
171          515          520          525
174 Tyr Pro Gly Asp Val Thr Lys Phe Gly Arg Gly Asp Ser Ala Ser Pro
175          530          535          540

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178 Ala Pro Ala Thr Thr Pro Ala Gln Pro Gln Gln Ser Gln Ser Gln Thr
179 545          550          555          560
182 His His Thr Ala Gln Gln Pro Phe Val Asn Pro Ala Leu Pro Pro Gly
183          565          570          575
186 Tyr Ser Tyr Thr Gly Leu Pro Tyr Tyr Thr Gly Met Pro Ser Ala Phe
187          580          585          590
190 Gln Tyr Gly Pro Thr Met Phe Val Pro Pro Ala Ser Ala Lys Gln His
191          595          600          605
194 Gly Val Asn Leu Ser Thr Pro Thr Pro Pro Phe Gln Gln Ala Ser Gly
195          610          615          620
198 Tyr Gly Gln His Gly Tyr Ser Thr Gly Tyr Asp Asp Leu Thr Gln Gly
199 625          630          635          640
202 Thr Ala Ala Gly Asp Tyr Ser Lys Gly Gly Tyr Ala Gly Ser Ser Gln
203          645          650          655
206 Ala Pro Asn Lys Ser Ala Gly Ser Gly Pro Gly Lys Gly Val Ser Val
207          660          665          670
210 Ser Ser Ser Thr Thr Gly Leu Pro Asp Met Thr Gly Ser Val Tyr Asn
211          675          680          685
214 Lys Thr Gln Thr Phe Asp Lys Gln Gly Phe His Ala Gly Thr Pro Pro
215          690          695          700
218 Pro Phe Ser Leu Pro Ser Val Leu Gly Ser Thr Gly Pro Leu Ala Ser
219 705          710          715          720
222 Gly Ala Ala Pro Gly Tyr Ala Pro Pro Pro Phe Leu His Ile Leu Pro
223          725          730          735
226 Ala His Gln Gln Pro His Ser Gln Leu Leu His His His Leu Pro Gln
227          740          745          750
230 Asp Ala Gln Ser Gly Ser Gly Gln Arg Ser Gln Pro Ser Ser Leu Gln
231          755          760          765
234 Pro Lys Ser Gln Ala Ser Lys Pro Ala Tyr Gly Asn Ser Pro Tyr Trp
235          770          775          780
238 Thr Asn
239 785
242 <210> SEQ ID NO: 2
243 <211> LENGTH: 579
244 <212> TYPE: PRT
245 <213> ORGANISM: Homo sapiens
247 <400> SEQUENCE: 2
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250 1          5          10          15
253 Ile Glu Asp Gly Ile Val Tyr Pro Glu Pro Ser Asp Asn Pro Thr Met
254          20          25          30
257 Asp Thr Ser Glu Phe Gln Val Gln Ala Pro Ala Arg Gly Thr Leu Gly
258          35          40          45
261 Arg Val Tyr Pro Gly Ser Arg Ser Ser Glu Lys His Ser Pro Asp Ser
262          50          55          60
265 Ala Cys Ser Val Asp Tyr Ser Ser Ser Cys Leu Ser Ser Pro Glu His
266 65          70          75          80
269 Pro Thr Glu Asp Ser Glu Ser Thr Glu Pro Leu Ser Val Asp Gly Ile
270          85          90          95

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273 Ser Ser Asp Leu Glu Glu Pro Ala Glu Gly Asp Glu Glu Glu Glu Glu
274      100      105      110
277 Glu Glu Gly Gly Met Gly Pro Tyr Gly Leu Gln Glu Gly Ser Pro Gln
278      115      120      125
281 Thr Pro Asp Gln Glu Gln Phe Leu Lys Gln His Phe Glu Thr Leu Ala
282      130      135      140
285 Ser Gly Ala Ala Pro Gly Ala Pro Val Gln Val Pro Glu Arg Ser Glu
286 145      150      155      160
289 Ser Arg Ser Ile Ser Ser Arg Phe Leu Leu Gln Val Gln Thr Arg Pro
290      165      170      175
293 Leu Arg Glu Pro Ser Pro Ser Ser Ser Ser Leu Ala Leu Met Ser Arg
294      180      185      190
297 Pro Ala Gln Val Pro Gln Ala Ser Gly Glu Gln Pro Arg Gly Asn Gly
298      195      200      205
301 Ala Asn Pro Pro Gly Ala Pro Pro Glu Val Glu Pro Ser Ser Gly Asn
302      210      215      220
305 Pro Ser Pro Gln Gln Ala Ala Ser Val Leu Leu Pro Arg Cys Arg Leu
306 225      230      235      240
309 Asn Pro Asp Ser Ser Trp Ala Pro Lys Arg Val Ala Thr Ala Ser Pro
310      245      250      255
313 Phe Ser Gly Leu Gln Lys Ala Gln Ser Val His Ser Leu Val Pro Gln
314      260      265      270
317 Glu Arg His Glu Ala Ser Leu Gln Ala Pro Ser Pro Gly Ala Leu Leu
318      275      280      285
321 Ser Arg Glu Ile Glu Ala Gln Asp Gly Leu Gly Ser Leu Pro Pro Ala
322      290      295      300
325 Asp Gly Pro Pro Ser Arg Pro His Ser Tyr Gln Asn Pro Thr Thr Ser
326 305      310      315      320
330 Ser Met Ala Lys Ile Ser Arg Ser Ile Ser Val Gly Glu Asn Leu Gly
331      325      330      335
334 Leu Val Ala Glu Pro Gln Ala His Ala Pro Ile Arg Val Ser Pro Leu
335      340      345      350
338 Ser Lys Leu Ala Leu Pro Ser Arg Ala His Leu Val Leu Asp Ile Pro
339      355      360      365
342 Lys Pro Leu Pro Asp Arg Pro Thr Leu Ala Ala Phe Ser Pro Val Thr
343      370      375      380
346 Lys Gly Arg Ala Pro Gly Glu Ala Glu Lys Pro Gly Phe Pro Val Gly
347 385      390      395      400
350 Leu Gly Lys Ala His Ser Thr Thr Glu Arg Trp Ala Cys Leu Gly Glu
351      405      410      415
354 Gly Thr Thr Pro Lys Pro Arg Thr Glu Cys Gln Ala His Pro Gly Pro
355      420      425      430
358 Ser Ser Pro Cys Ala Gln Gln Leu Pro Val Ser Ser Leu Phe Gln Gly
359      435      440      445
362 Pro Glu Asn Leu Gln Pro Pro Pro Pro Glu Lys Thr Pro Asn Pro Met
363      450      455      460
366 Glu Cys Thr Lys Pro Gly Ala Ala Leu Ser Gln Asp Ser Ala Val Ser
367 465      470      475      480
370 Leu Glu Gln Cys Glu Gln Leu Val Ala Glu Leu Arg Gly Ser Val Arg

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Input Set : A:\pto.kd.txt

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```

371          485          490          495
374 Gln Ala Val Arg Leu Tyr His Ser Val Ala Gly Cys Lys Met Pro Ser
375          500          505          510
378 Ala Glu Gln Ser Arg Ile Ala Gln Leu Leu Arg Asp Thr Phe Ser Ser
379          515          520          525
382 Val Arg Gln Glu Leu Glu Ala Val Ala Gly Ala Val Leu Ser Ser Pro
383          530          535          540
386 Gly Ser Ser Pro Gly Ala Val Gly Ala Glu Gln Thr Gln Ala Leu Leu
387 545          550          555          560
390 Glu Gln Tyr Ser Glu Leu Leu Leu Arg Ala Val Glu Arg Arg Met Glu
391          565          570          575
394 Arg Lys Leu
398 <210> SEQ ID NO: 3
399 <211> LENGTH: 1217
400 <212> TYPE: PRT
401 <213> ORGANISM: Homo sapiens
403 <400> SEQUENCE: 3
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406 1          5          10          15
409 Cys Ser Tyr Phe Val Thr Ala Gly Asn Arg His Ile Lys Phe Trp Tyr
410          20          25          30
413 Leu Asp Asp Ser Lys Thr Ser Lys Val Asn Ala Thr Val Pro Leu Leu
414          35          40          45
417 Gly Arg Ser Gly Leu Leu Gly Glu Leu Arg Asn Asn Leu Phe Thr Asp
418          50          55          60
421 Val Ala Cys Gly Arg Gly Lys Lys Ala Asp Ser Thr Phe Cys Ile Thr
422 65          70          75          80
425 Ser Ser Gly Leu Leu Cys Glu Phe Ser Asp Arg Arg Leu Leu Asp Lys
426          85          90          95
429 Trp Val Glu Leu Arg Val Tyr Pro Glu Val Lys Asp Ser Asn Gln Ala
430          100          105          110
433 Cys Leu Pro Pro Ser Ser Phe Ile Thr Cys Ser Ser Asp Asn Thr Ile
434          115          120          125
437 Arg Leu Trp Asn Thr Glu Ser Ser Gly Val His Gly Ser Thr Leu His
438          130          135          140
441 Arg Asn Ile Leu Ser Ser Asp Leu Ile Lys Ile Ile Tyr Val Asp Gly
442 145          150          155          160
445 Asn Thr Gln Ala Leu Leu Asp Thr Glu Leu Pro Gly Gly Asp Lys Ala
446          165          170          175
449 Asp Ala Ser Leu Leu Asp Pro Arg Val Gly Ile Arg Ser Val Cys Val
450          180          185          190
453 Ser Pro Asn Gly Gln His Leu Ala Ser Gly Asp Arg Met Gly Thr Leu
454          195          200          205
457 Arg Val His Glu Leu Gln Ser Leu Ser Glu Met Leu Lys Val Glu Ala
458          210          215          220
461 His Asp Ser Glu Ile Leu Cys Leu Glu Tyr Ser Lys Pro Asp Thr Gly
462 225          230          235          240
465 Leu Lys Leu Leu Ala Ser Ala Ser Arg Asp Arg Leu Ile His Val Leu
466          245          250          255

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/509,307

DATE: 10/06/2004

TIME: 14:36:00

Input Set : A:\pto.kd.txt

Output Set: N:\CRF4\10062004\J509307.raw

L:11 M:270 C: Current Application Number differs, Replaced Current Application Number